

## Product datasheet for RR212231

### Ramp2 (NM\_031646) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Ramp2 (NM\_031646) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Ramp2  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RR212231 representing NM\_031646  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCCGCTCCGGGTAGAGCGCGCCCCGGGTGGATCACAGCTCGCTGTGACCAGCGCCCAGCGGCCCC  
CAGCGCTCCGCCTCCCTCCGCTGTTACTGCTGCTGTTGCTGCTGCTGGGCGCTGTCTCAACCTCTCC  
GGAGTCCCTGAATCAATCTCATCTACTGAGGACAGCCTTCTGTCAAAGGGAAGATGGAGGACTACGAA  
ACAAATGTCCTACCTTGCTGGTATTATTACAAGACTTCCATGGACTCTGTCAAGGACTGGTCAACTGGA  
CTTTGATTAGCAGGTATTACAGCAACCTGCGGTATTGCTGGAGTACGAGGCAGACAAGTTGGCCTGGG  
CTTCCCAAATCCCTTGGCAGAAAAGTATCATCCTTGAGGCTCACCTGATACACTTTGCCAACTGCTCCTTG  
GTGCGACCTACCTTCTCCGATCCCCAGAGGATGTGCTTCTGGCCATGATCATAGCCCCATCTGCCTCA  
TCCCTTCTCGTTACGCTTGTGGTGTGGAGGAGTAAAGACGGCGATGCGCAGGCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212231 representing NM\_031646  
Red=Cloning site Green=Tags(s)

MAPLRVERAPGGSQAVTSAQRPAALRLPLLLLLLLLLLLLGAVSTSPESLNQSHPTEDSLLSKGKMEDYE  
TNVLPWYKYKTSMSVVDWCNWTLSRYYSNLRVLCYEADKFLGFPNPLAESIILEAHLIHFANCSL  
VQPTFSDPPEDVLLAMI IAPICLIPFLVTLVWRSKDGDAQA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Chromatograms: [https://cdn.origene.com/chromatograms/ja2562\\_c02.zip](https://cdn.origene.com/chromatograms/ja2562_c02.zip)

Restriction Sites: Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_031646

**ORF Size:** 546 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

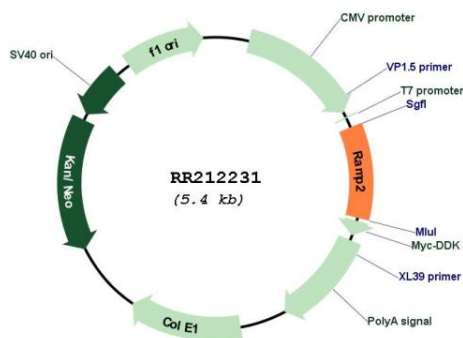
**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_031646.1](#), [NP\\_113834.1](#)

RefSeq Size:	751 bp
RefSeq ORF:	549 bp
Locus ID:	58966
UniProt ID:	<a href="#">Q9JHI1</a>
Cytogenetics:	10q31
MW:	20.3 kDa
Gene Summary:	transports calcitonin receptor-like receptor (Calcr) to the cell membrane and determine its glycosylation state and ligand specificity as a functional adrenomedullin receptor [RGD, Feb 2006]

## Product images:



Circular map for RR212231